ABSTRACT

In a spread spectrum communication using a long spreading code, a spread spectrum signal processing apparatus is provided, which is suitable for performing communication by using a correlator having a size mountable on a portable equipment.

The spread spectrum signal processing apparatus comprises a correlator 10 for correlating between a spread spectrum signal and a given reference signal, an A/D converter 40 for converting a correlation signal into a digital signal, a memory 50 for storing the digital signal from the A/D converter 40 as digital data, a signal processor 60 for summing digital data corresponding to each of divided codes C_1-C_{16} and for outputting a result of summation, and a control unit 70 for controlling to apply each of the divided codes C_1-C_{16} in this order repeatedly as a reference signal to the correlator 10, and the signal processor 60 begins a summing processing by making reference to a timing signal from the control unit 70.